

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049956.D
 Acq On : 24 Aug 2021 17:26
 Operator : CG/JU
 Sample : M3419-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

Quant Time: Aug 25 02:07:30 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 16:13:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

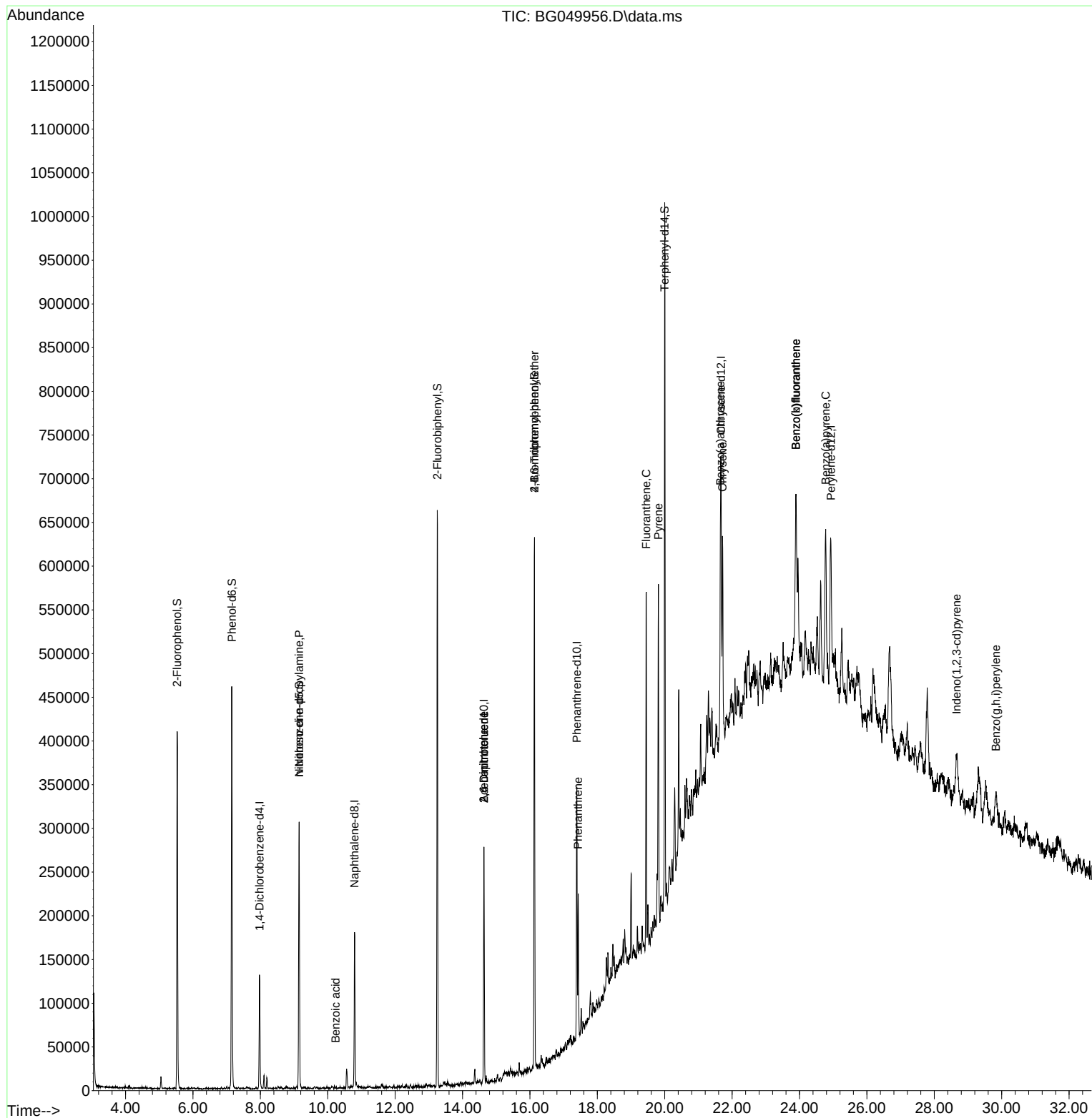
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	36069	20.000	ng	-0.01
21) Naphthalene-d8	10.794	136	148241	20.000	ng	#-0.02
39) Acenaphthene-d10	14.636	164	94563	20.000	ng	-0.01
64) Phenanthrene-d10	17.391	188	177278	20.000	ng	#-0.01
76) Chrysene-d12	21.674	240	145739	20.000	ng	0.00
86) Perylene-d12	24.934	264	149747	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	175838	87.390	ng	0.00
7) Phenol-d6	7.152	99	255553	83.904	ng	0.00
23) Nitrobenzene-d5	9.149	82	190246	56.790	ng	-0.01
42) 2,4,6-Tribromophenol	16.134	330	120096	86.403	ng	-0.01
45) 2-Fluorobiphenyl	13.256	172	341793	52.593	ng	0.00
79) Terphenyl-d14	19.999	244	365474	45.545	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.149	70	29062	14.259	ng	# 67
32) Benzoic acid	10.236	122	149	5.041	ng	# 1
51) 2,6-Dinitrotoluene	14.636	165	13296	8.464	ng	# 10
57) 2,4-Dinitrotoluene	14.636	165	13296	6.026	ng	# 15
67) 4-Bromophenyl-phenylether	16.134	248	7467	3.576	ng	# 1
71) Phenanthrene	17.432	178	97082	10.409	ng	98
75) Fluoranthene	19.447	202	266061	23.182	ng	98
78) Pyrene	19.811	202	244997	24.658	ng	97
81) Benzo(a)anthracene	21.650	228	128444	13.533	ng	96
83) Chrysene	21.715	228	178976	19.727	ng	97
87) Indeno(1,2,3-cd)pyrene	28.658	276	101714	9.418	ng	# 80
88) Benzo(b)fluoranthene	23.894	252	247183	25.168	ng	# 90
89) Benzo(k)fluoranthene	23.894	252	247183	26.982	ng	# 94
90) Benzo(a)pyrene	24.775	252	149193	16.786	ng	# 92
92) Benzo(g,h,i)perylene	29.827	276	93426	10.479	ng	# 90

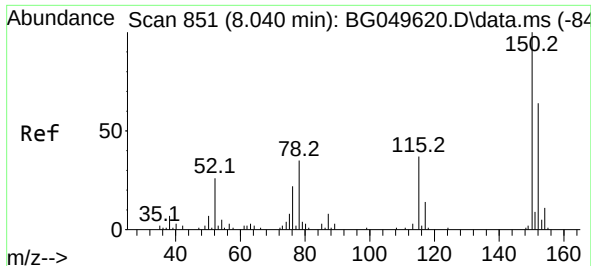
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

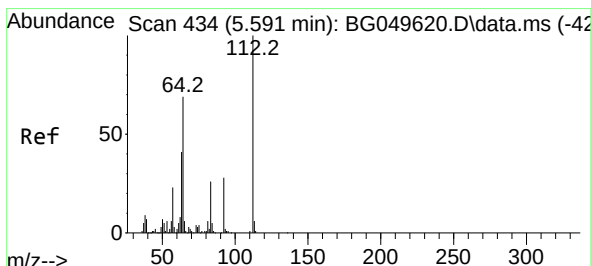
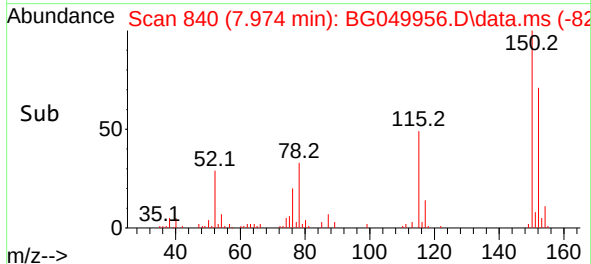
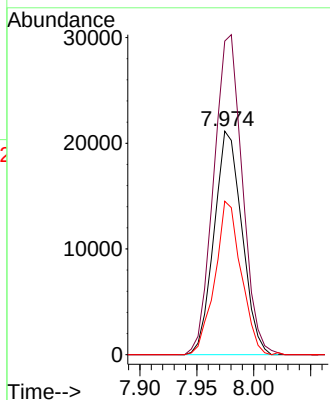
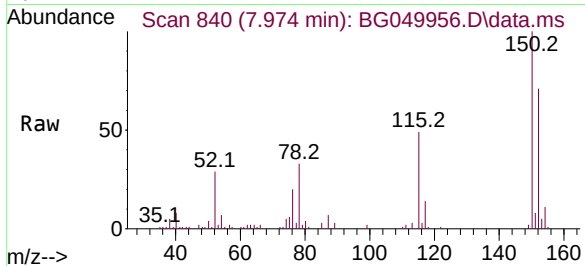




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.974 min Scan# 840
Delta R.T. -0.012 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

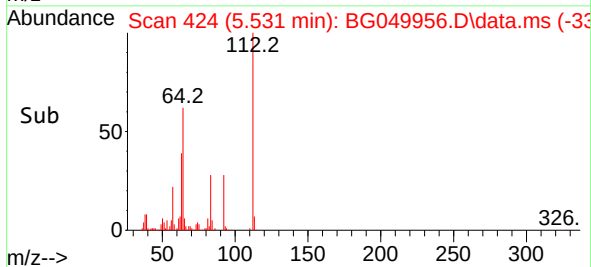
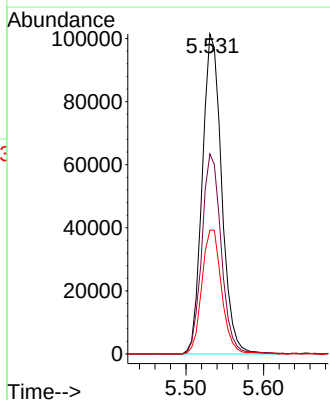
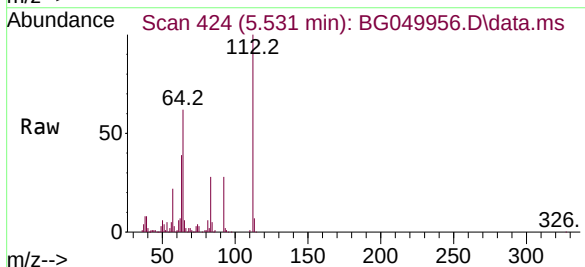
Instrument :
BNA_G
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SWCS-03-0510

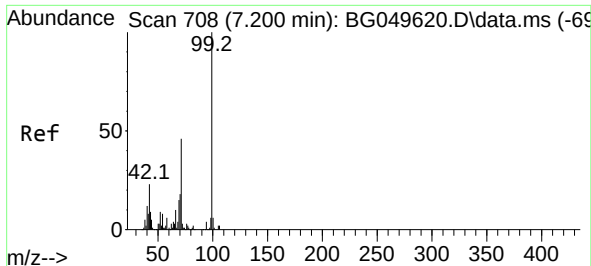
Tgt Ion:152 Resp: 36069
Ion Ratio Lower Upper
152 100
150 140.3 119.4 179.0
115 68.6 60.2 90.4



#5
2-Fluorophenol
Concen: 87.390 ng
RT: 5.531 min Scan# 424
Delta R.T. -0.006 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:112 Resp: 175838
Ion Ratio Lower Upper
112 100
64 62.5 46.7 70.1
63 38.7 35.3 52.9

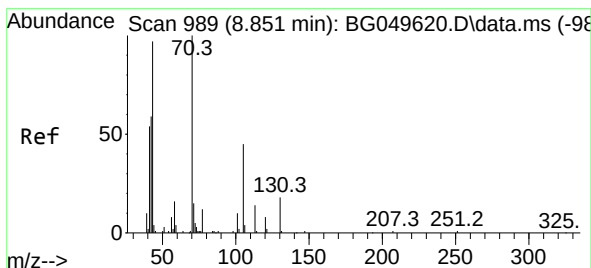
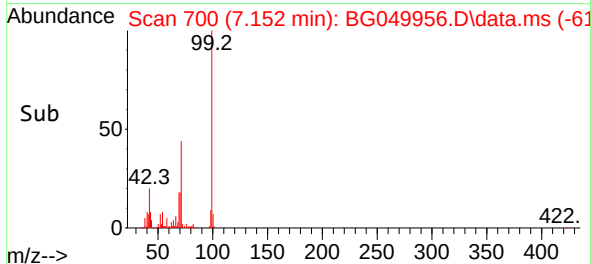
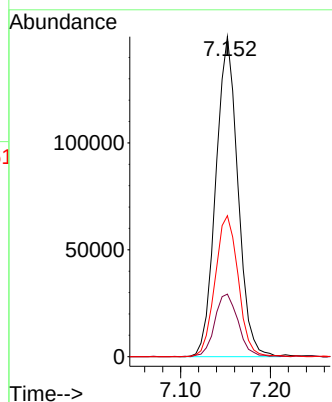
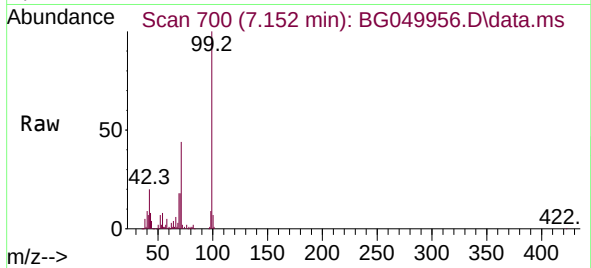




#7
Phenol-d6
Concen: 83.904 ng
RT: 7.152 min Scan# 700
Delta R.T. -0.006 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

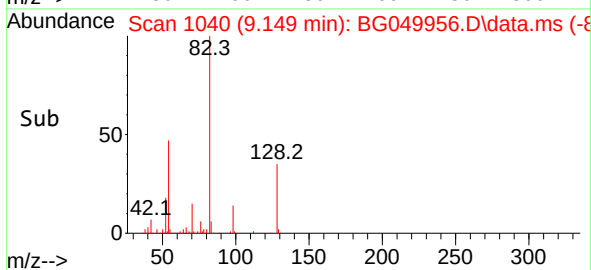
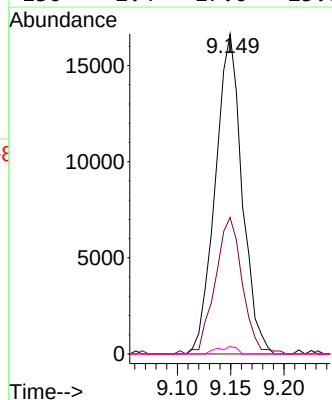
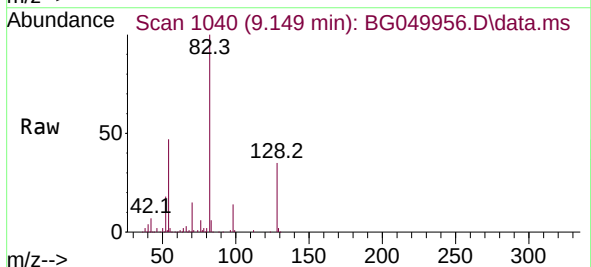
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

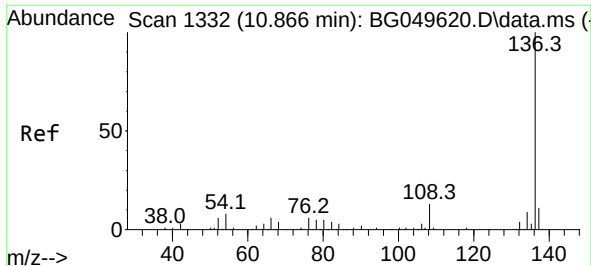
Tgt Ion: 99 Resp: 255553
Ion Ratio Lower Upper
99 100
42 19.5 20.5 30.7#
71 44.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.259 ng
RT: 9.149 min Scan# 1040
Delta R.T. 0.353 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

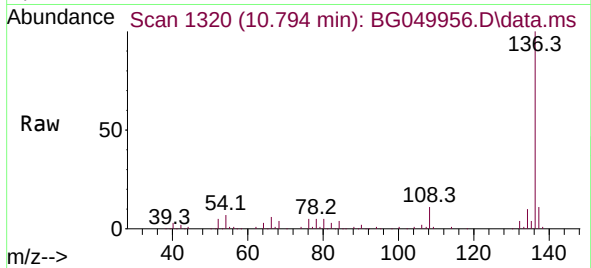
Tgt Ion: 70 Resp: 29062
Ion Ratio Lower Upper
70 100
42 42.6 54.5 81.7#
101 0.0 9.0 13.6#
130 2.4 17.0 25.6#



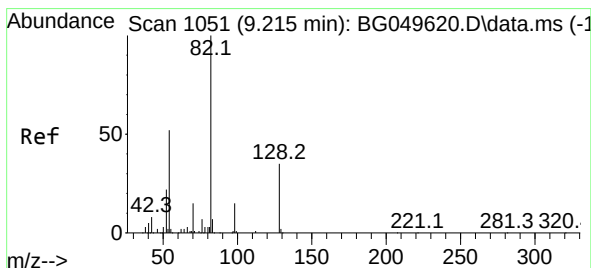
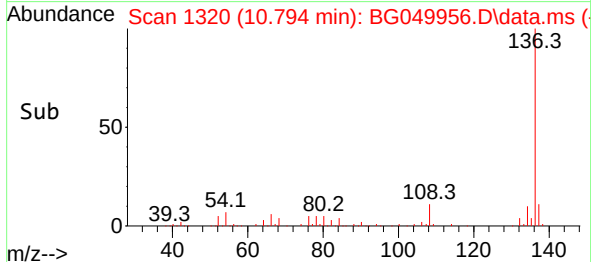
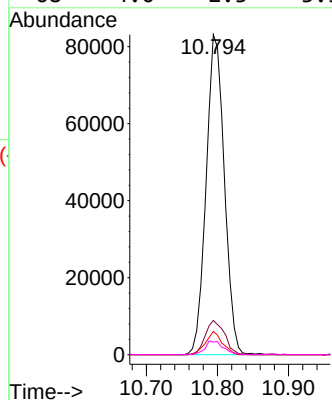


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.794 min Scan# 1320
Delta R.T. -0.017 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

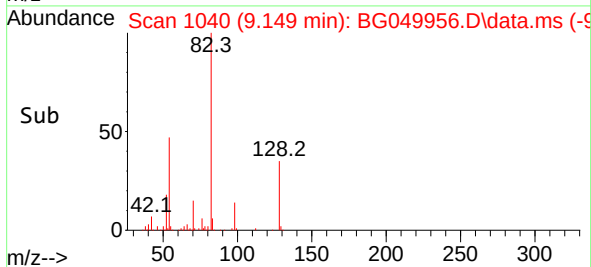
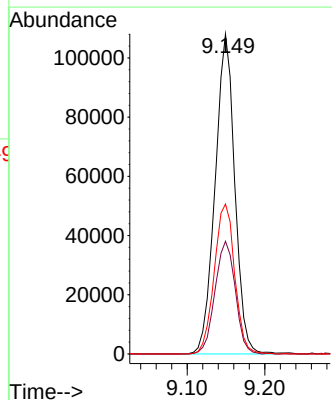
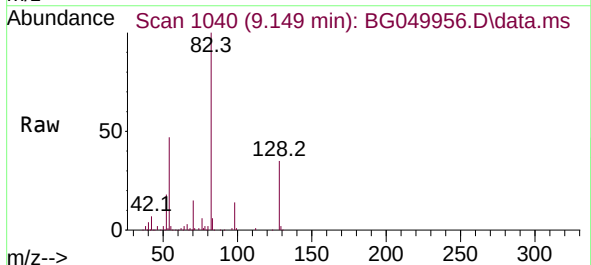


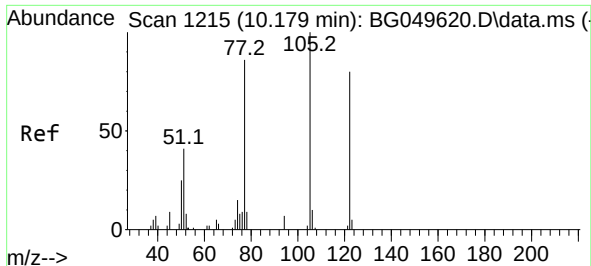
Tgt Ion:136 Resp: 148241
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 7.2 5.5 8.3
68 4.0 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 56.790 ng
RT: 9.149 min Scan# 1040
Delta R.T. -0.011 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion: 82 Resp: 190246
Ion Ratio Lower Upper
82 100
128 35.2 29.8 44.6
54 46.9 45.8 68.8

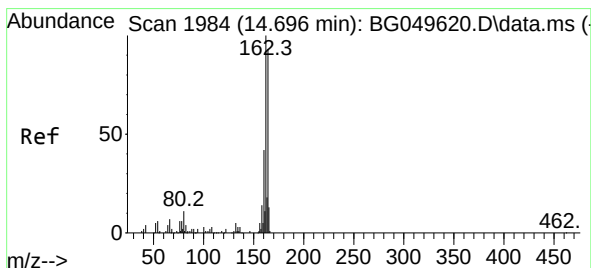
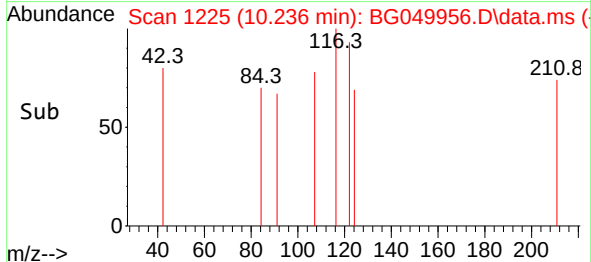
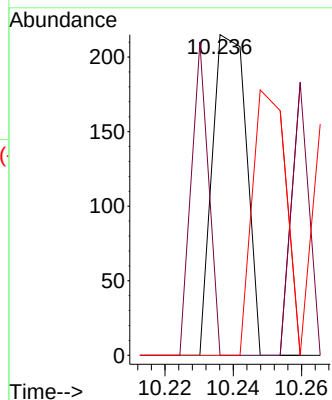
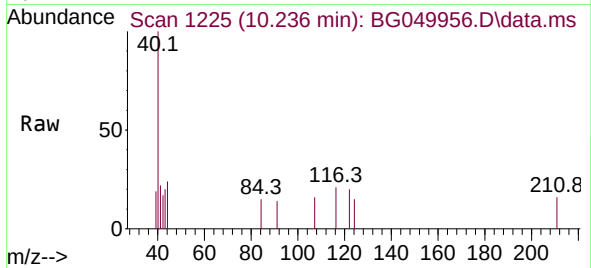




#32
Benzoic acid
Concen: 5.041 ng
RT: 10.236 min Scan# 1225
Delta R.T. 0.100 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

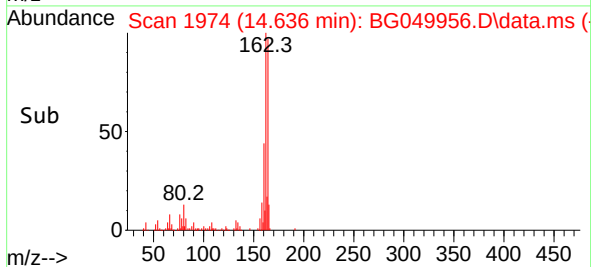
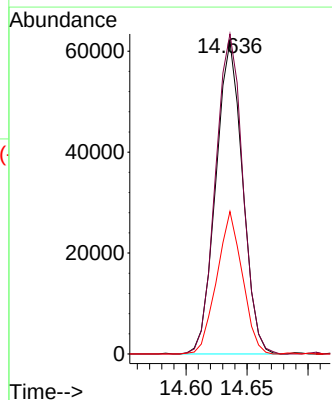
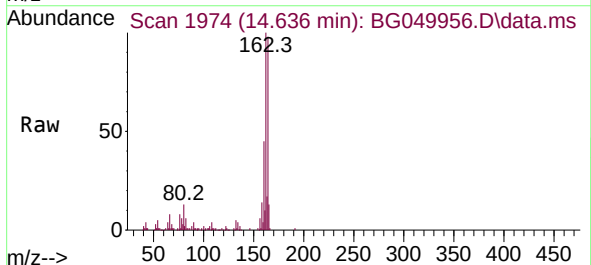
Instrument :
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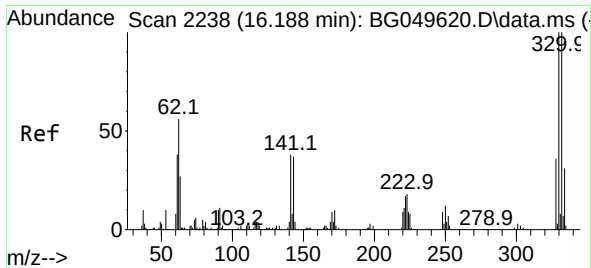
Tgt Ion:122 Resp: 149
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.636 min Scan# 1974
Delta R.T. -0.011 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:164 Resp: 94563
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 45.6 34.9 52.3

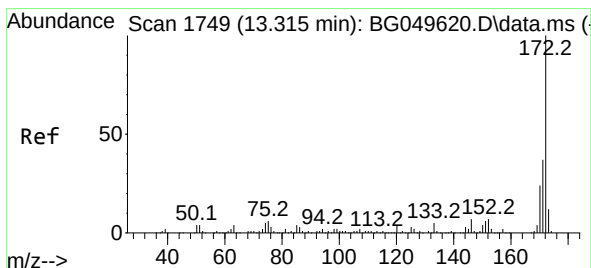
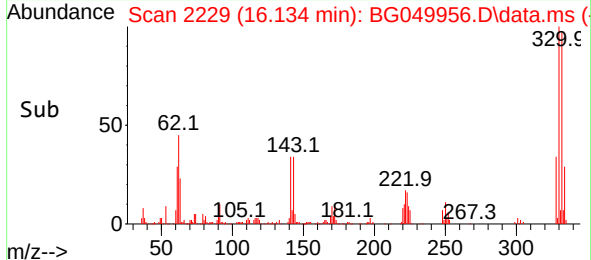
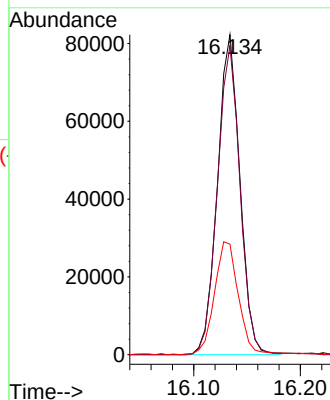
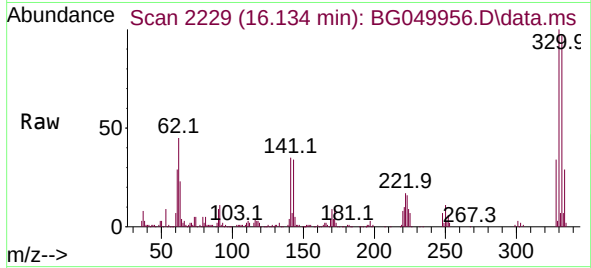




#42
2,4,6-Tribromophenol
Concen: 86.403 ng
RT: 16.134 min Scan# 2229
Delta R.T. -0.012 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

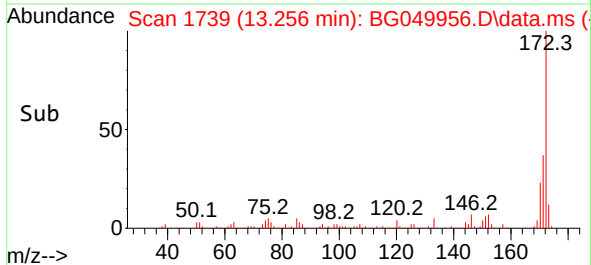
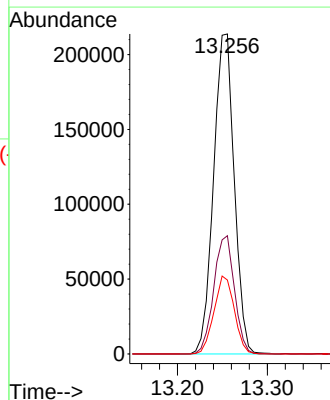
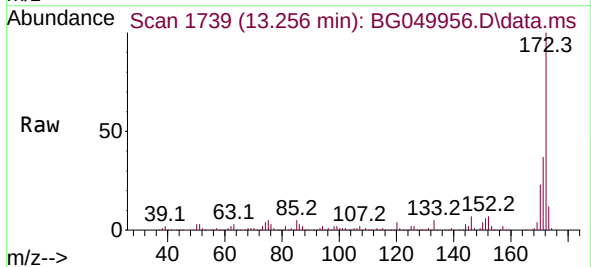
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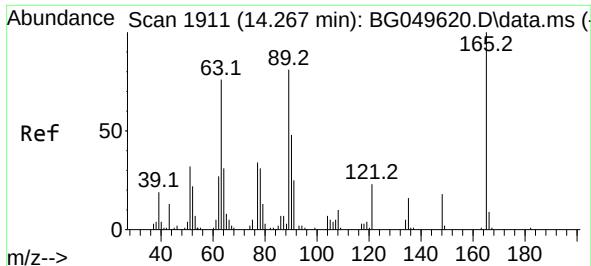
Tgt Ion:330 Resp: 120096
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 37.8 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 52.593 ng
RT: 13.256 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:172 Resp: 341793
Ion Ratio Lower Upper
172 100
171 37.0 28.6 43.0
170 23.1 18.6 27.8

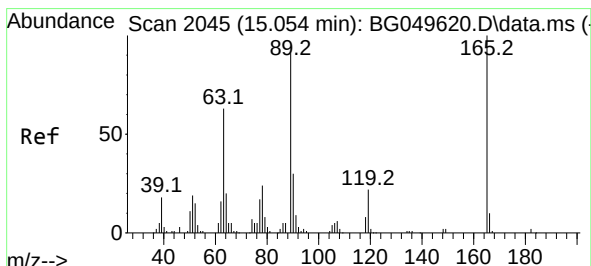
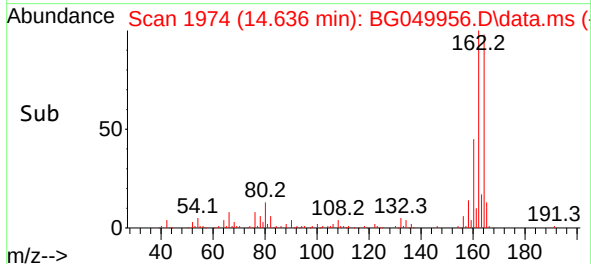
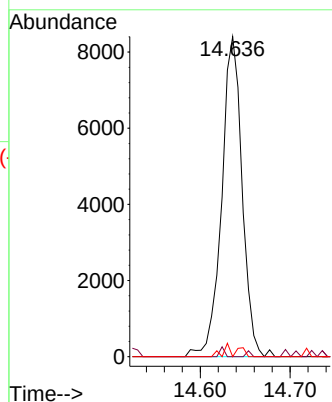
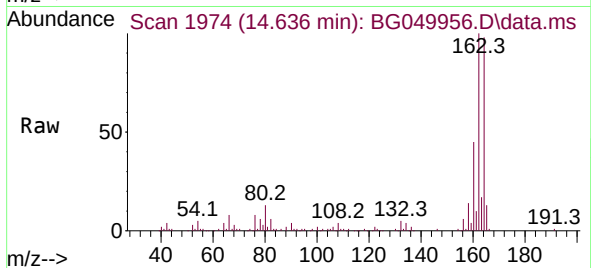




#51
2,6-Dinitrotoluene
Concen: 8.464 ng
RT: 14.636 min Scan# 1974
Delta R.T. 0.411 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

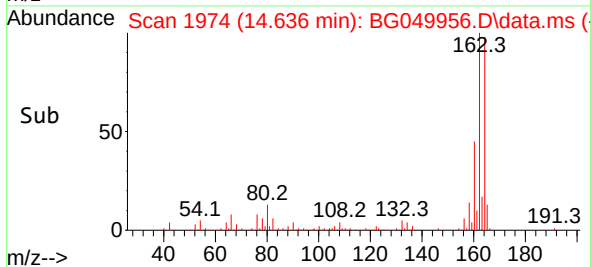
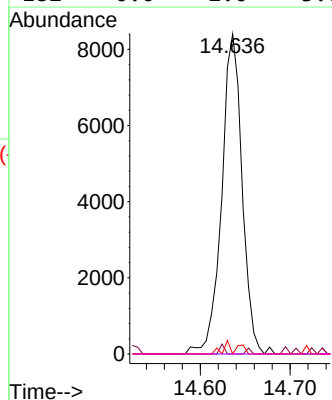
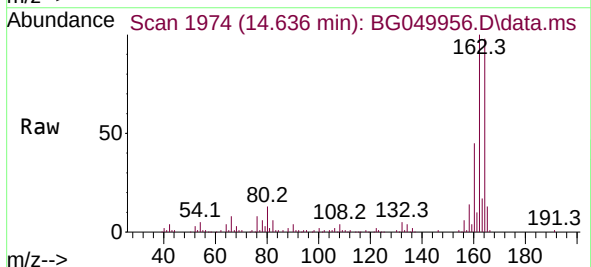
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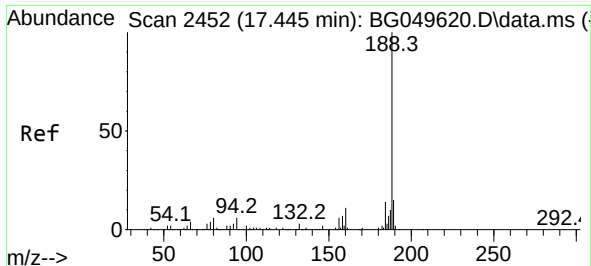
Tgt Ion:165 Resp: 13296
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.026 ng
RT: 14.636 min Scan# 1974
Delta R.T. -0.382 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:165 Resp: 13296
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

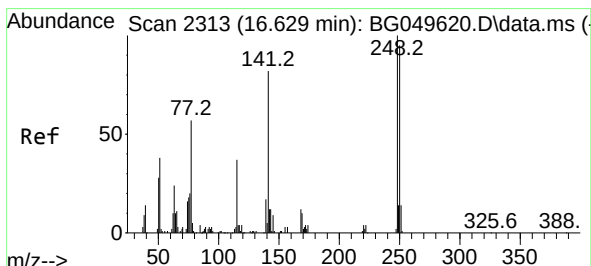
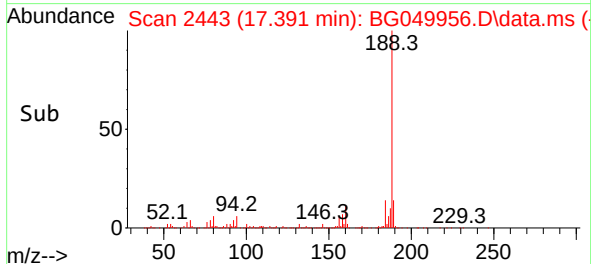
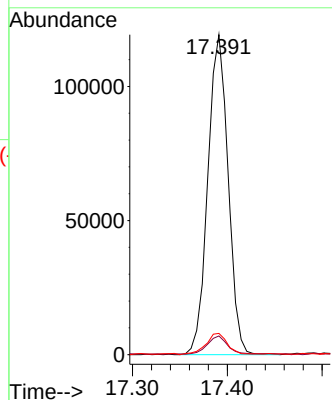
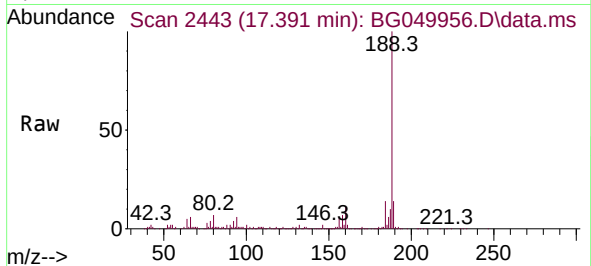




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.391 min Scan# 2443
Delta R.T. -0.011 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

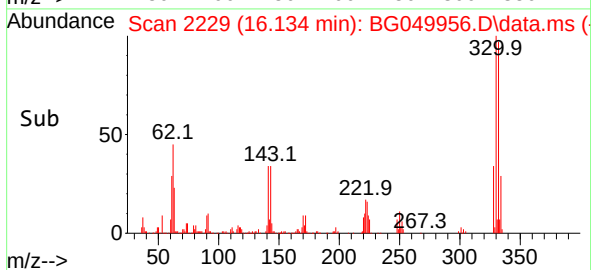
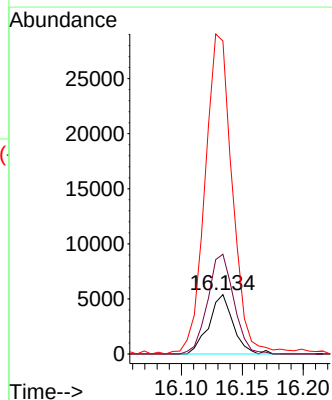
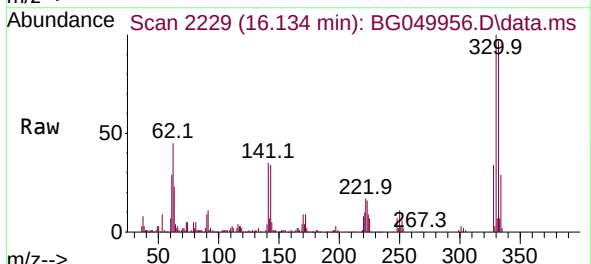
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

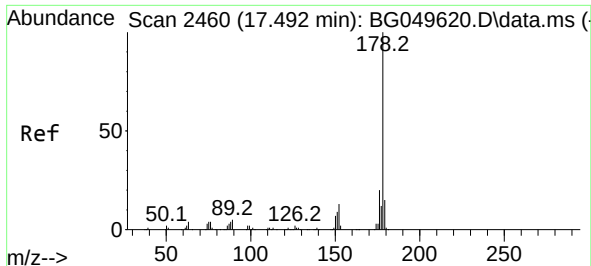
Tgt Ion:188 Resp: 177278
Ion Ratio Lower Upper
188 100
94 5.9 5.4 8.0
80 6.7 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.576 ng
RT: 16.134 min Scan# 2229
Delta R.T. -0.446 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:248 Resp: 7467
Ion Ratio Lower Upper
248 100
250 167.9 76.1 114.1#
141 527.1 65.4 98.2#

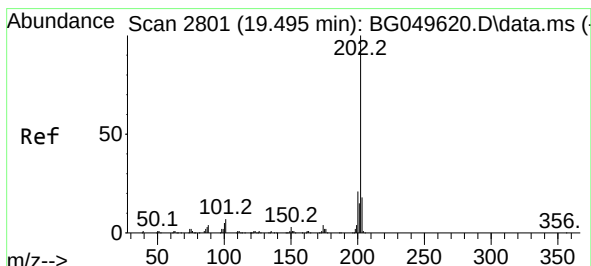
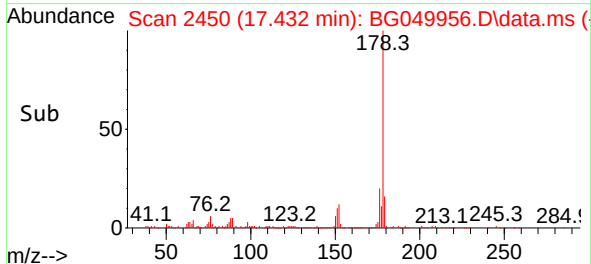
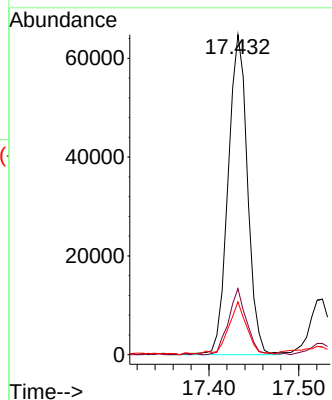
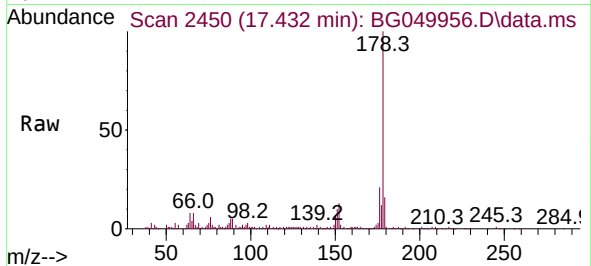




#71
Phenanthrene
Concen: 10.409 ng
RT: 17.432 min Scan# 2450
Delta R.T. -0.011 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

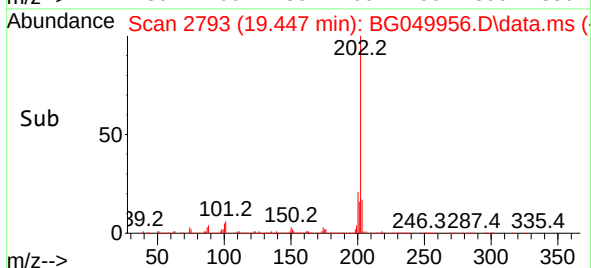
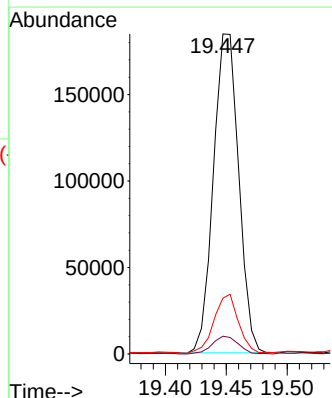
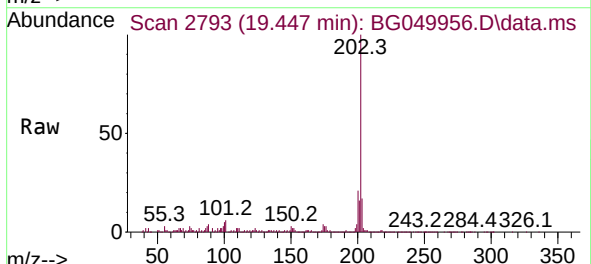
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

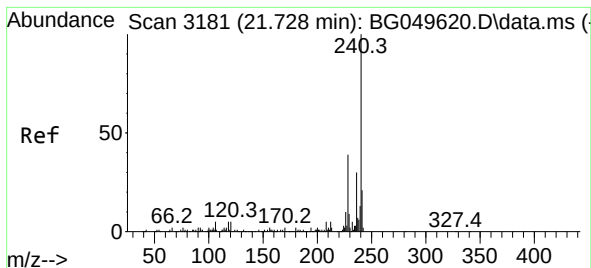
Tgt Ion:178 Resp: 97082
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 16.5 14.2 21.4



#75
Fluoranthene
Concen: 23.182 ng
RT: 19.447 min Scan# 2793
Delta R.T. -0.011 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:202 Resp: 266061
Ion Ratio Lower Upper
202 100
101 5.6 0.0 24.7
203 17.5 0.0 38.5

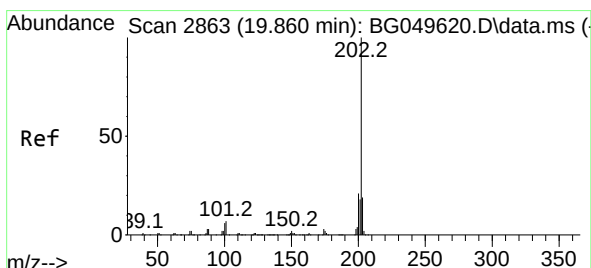
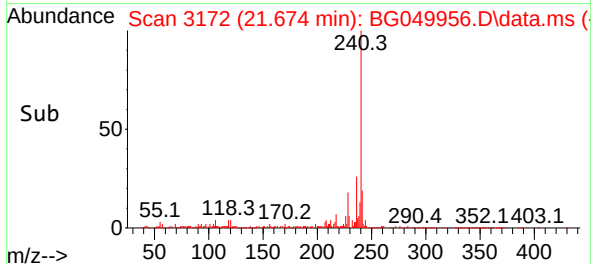
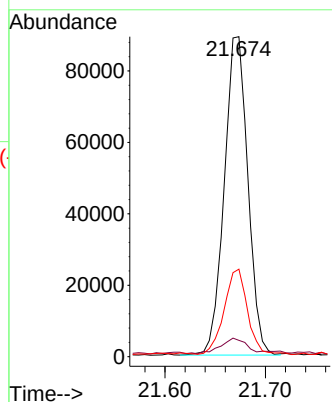
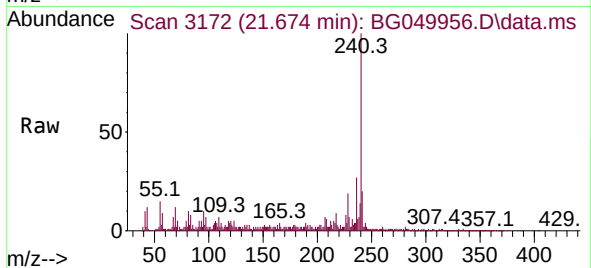




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

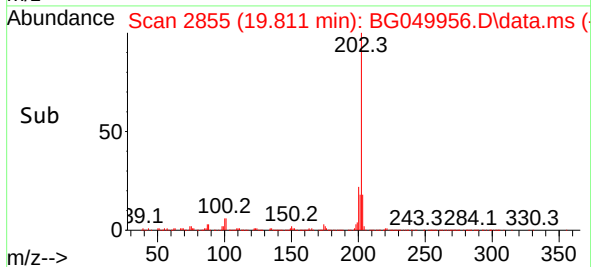
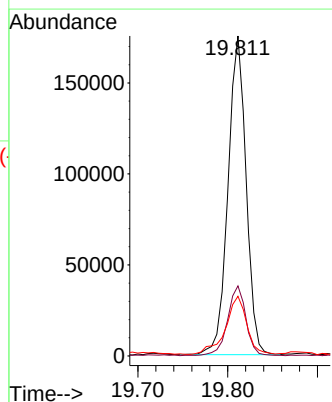
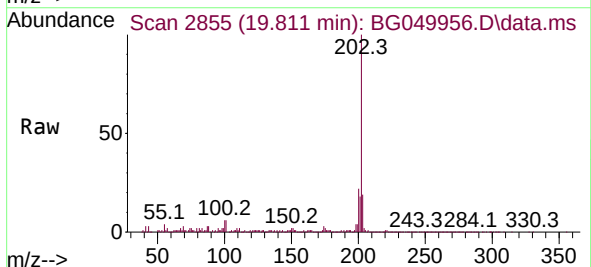
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

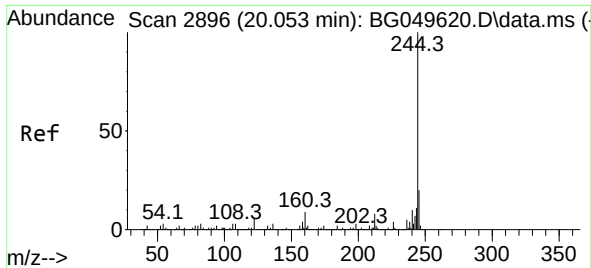
Tgt Ion:240 Resp: 145739
Ion Ratio Lower Upper
240 100
120 5.1 4.2 6.2
236 27.3 21.8 32.6



#78
Pyrene
Concen: 24.658 ng
RT: 19.811 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:202 Resp: 244997
Ion Ratio Lower Upper
202 100
200 21.9 15.8 23.8
203 18.7 14.6 21.8

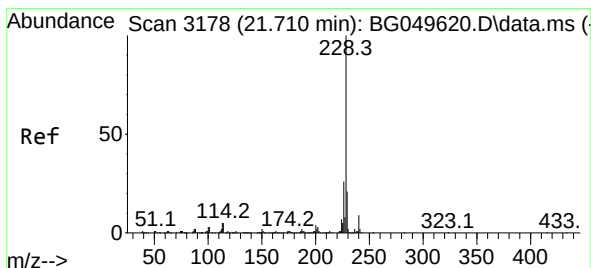
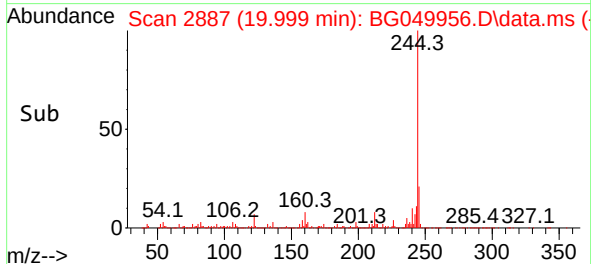
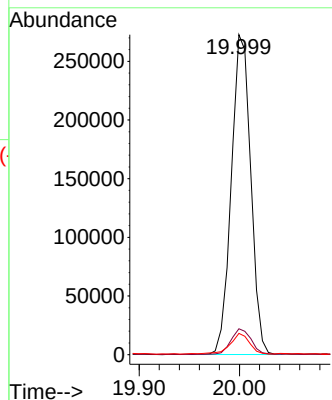
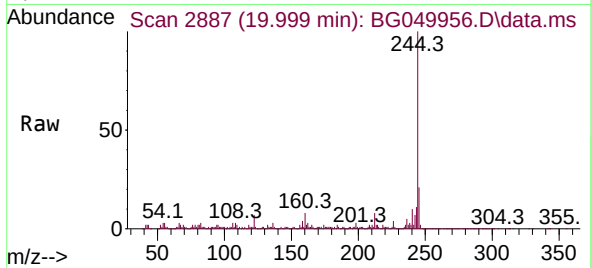




#79
 Terphenyl-d14
 Concen: 45.545 ng
 RT: 19.999 min Scan# 2887
 Delta R.T. -0.011 min
 Lab File: BG049956.D
 Acq: 24 Aug 2021 17:26

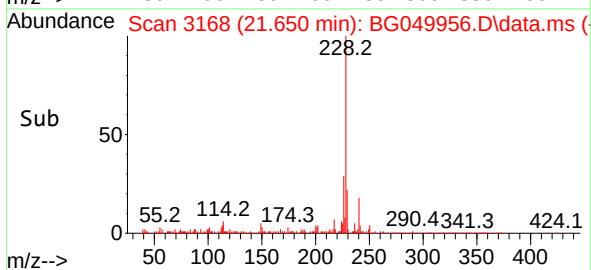
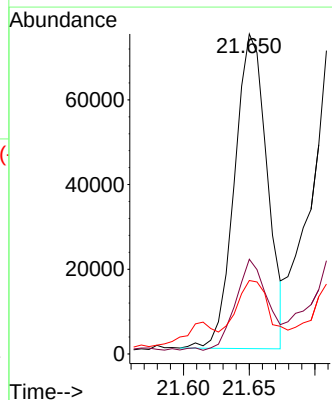
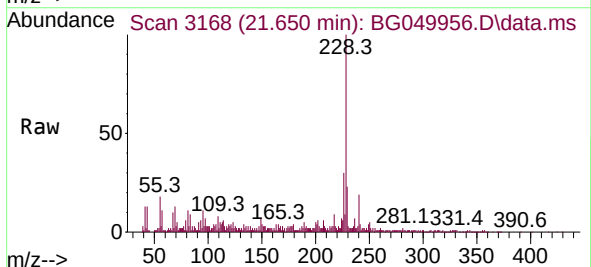
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

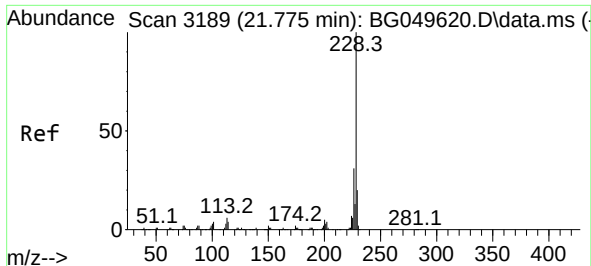
Tgt Ion:244 Resp: 365474
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 6.7 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 13.533 ng
 RT: 21.650 min Scan# 3168
 Delta R.T. -0.006 min
 Lab File: BG049956.D
 Acq: 24 Aug 2021 17:26

Tgt Ion:228 Resp: 128444
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.7 34.1
 229 23.0 16.0 24.0

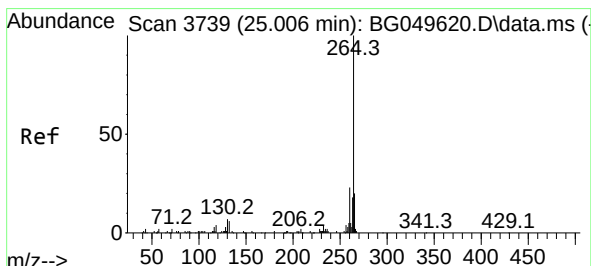
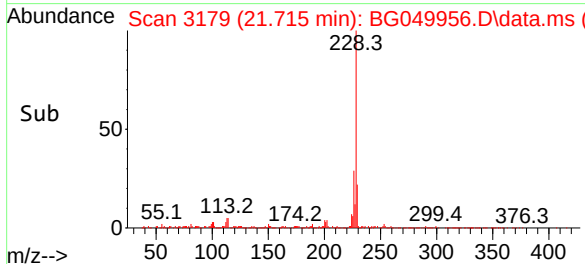
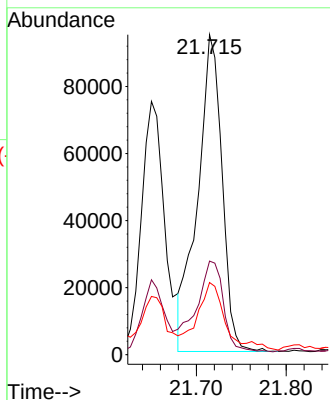
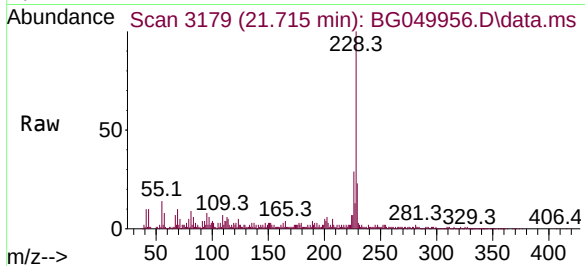




#83
Chrysene
Concen: 19.727 ng
RT: 21.715 min Scan# 3179
Delta R.T. -0.011 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

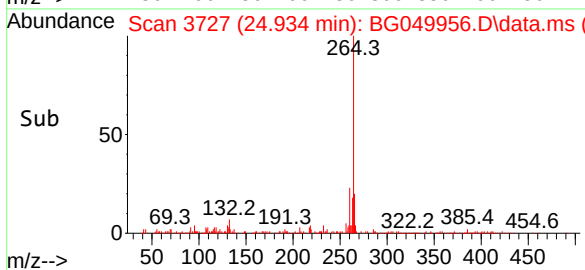
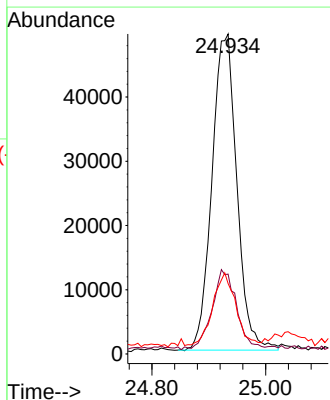
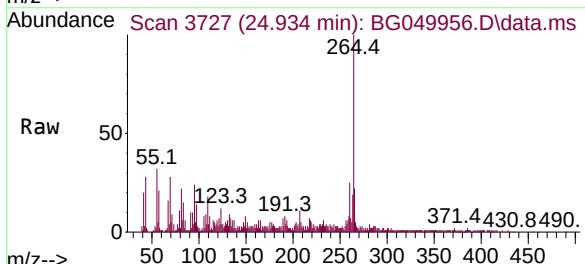
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

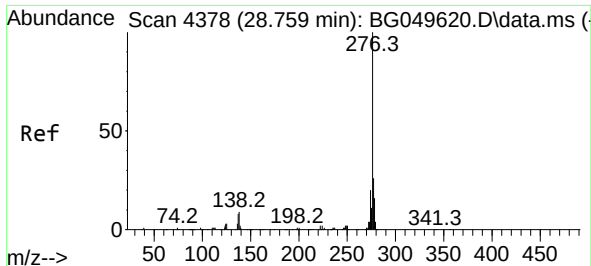
Tgt Ion:228 Resp: 178976
Ion Ratio Lower Upper
228 100
226 29.3 23.1 34.7
229 22.6 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.934 min Scan# 3727
Delta R.T. 0.012 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:264 Resp: 149747
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 22.0 16.9 25.3

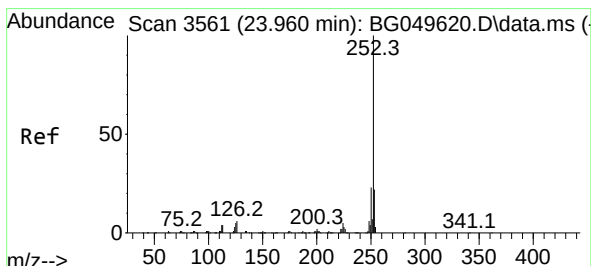
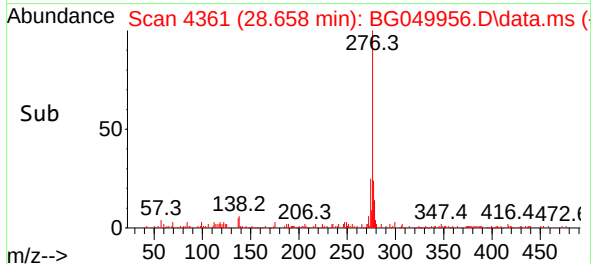
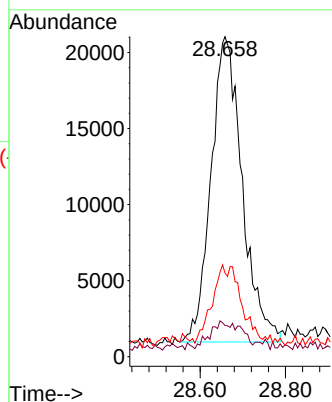
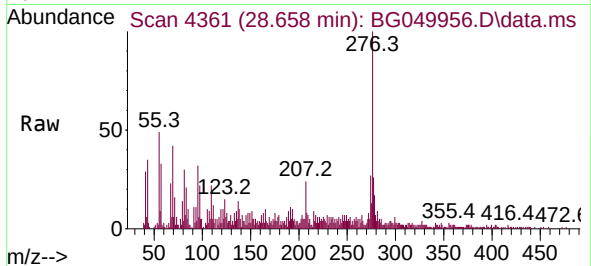




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.418 ng
 RT: 28.658 min Scan# 4361
 Delta R.T. 0.012 min
 Lab File: BG049956.D
 Acq: 24 Aug 2021 17:26

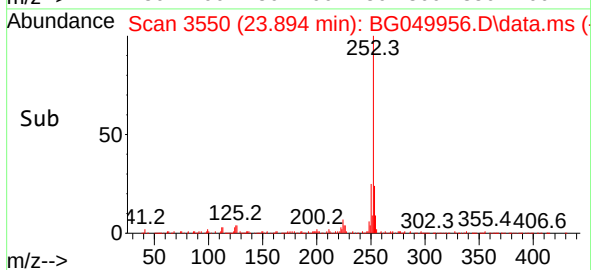
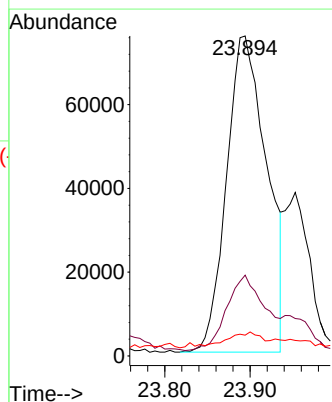
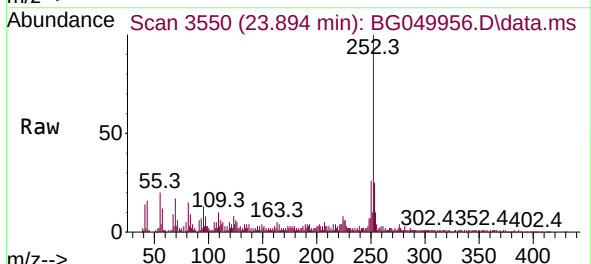
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

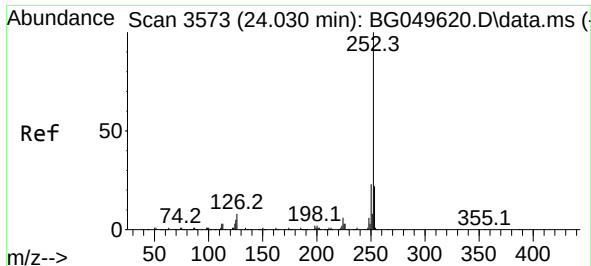
Tgt Ion:276 Resp: 101714
 Ion Ratio Lower Upper
 276 100
 138 5.4 5.1 7.7
 277 12.7 19.8 29.6#



#88
 Benzo(b)fluoranthene
 Concen: 25.168 ng
 RT: 23.894 min Scan# 3550
 Delta R.T. 0.000 min
 Lab File: BG049956.D
 Acq: 24 Aug 2021 17:26

Tgt Ion:252 Resp: 247183
 Ion Ratio Lower Upper
 252 100
 253 25.2 16.2 24.4#
 125 6.5 3.0 4.4#

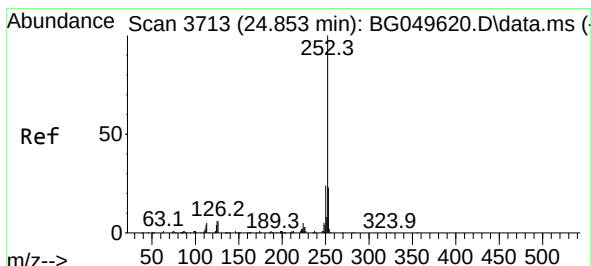
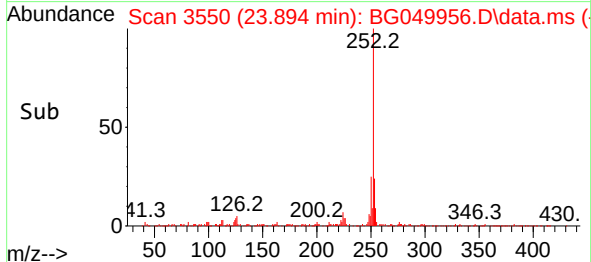
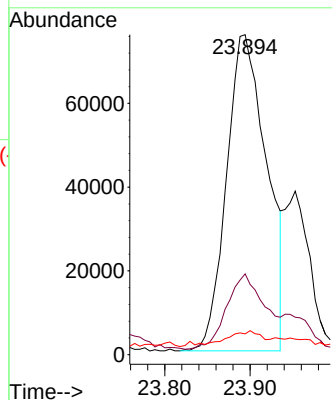
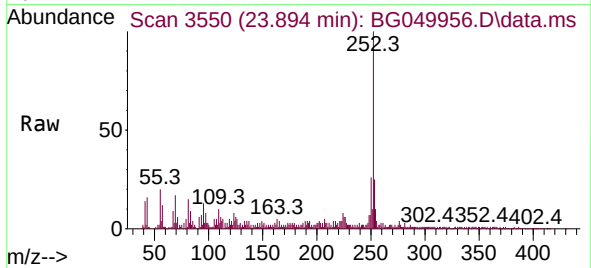




#89
Benzo(k)fluoranthene
Concen: 26.982 ng
RT: 23.894 min Scan# 3550
Delta R.T. -0.064 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

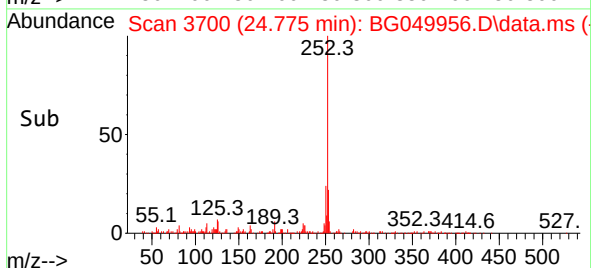
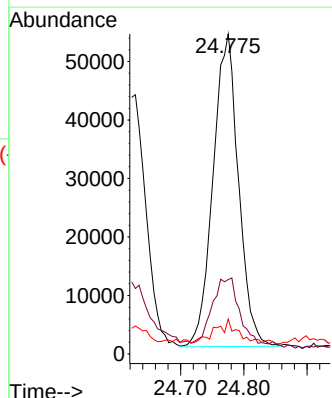
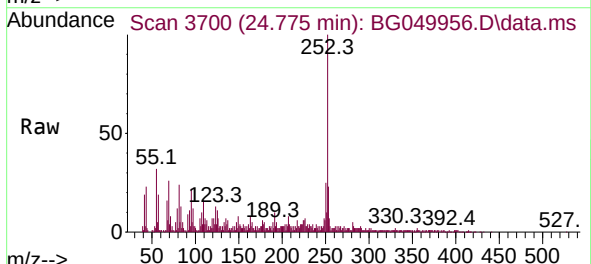
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

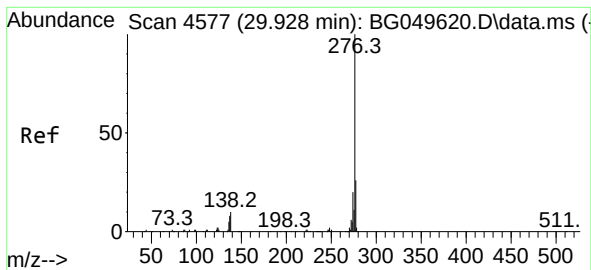
Tgt Ion:252 Resp: 247183
Ion Ratio Lower Upper
252 100
253 25.2 18.0 27.0
125 6.5 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 16.786 ng
RT: 24.775 min Scan# 3700
Delta R.T. 0.000 min
Lab File: BG049956.D
Acq: 24 Aug 2021 17:26

Tgt Ion:252 Resp: 149193
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 10.9 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 10.479 ng
 RT: 29.827 min Scan# 4560
 Delta R.T. 0.012 min
 Lab File: BG049956.D
 Acq: 24 Aug 2021 17:26

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

Tgt Ion:	276	Resp:	93426
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.4	27.6
138	13.8	7.0	10.6#

